

What is claimed is:

- 1 An internet telephone apparatus that transmits and receives a call data through an internet, comprising a
5 switching controller for controlling and switching a protocol of a data transfer responding to a congestion situation of said internet.

- 2 The internet telephone apparatus according to claim 1,
10 wherein said switching controller is a controller for switching to a connectionless protocol when said internet is in a congestion situation below a threshold and for switching to a connection protocol when said internet exceeds said threshold.
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- 3 The internet telephone apparatus according to claim 2,
wherein said connectionless protocol is a UDP (User Datagram Protocol) and said connection protocol is a TCP (Transmission Control Protocol).

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- 4 The internet telephone apparatus according to claim 1,
wherein a receiver for receiving and processing a data received through said internet is included and said switching controller detects a congestion situation of
25 said internet based on a receiving situation of said

receiver.

5 The internet telephone apparatus according to claim 4,
wherein said switching controller includes a controller
5 for detecting said congestion situation based on a CRC
(Cyclic Redundancy Check) error frequency.

6 The internet telephone apparatus according to claim 1,
wherein a voice compressor for compressing said call data
10 is included and a compressed voice data is adapted to be
delivered to said switching controller.

7 The internet telephone apparatus according to claim 6,
wherein an image compressor for compressing an image data
15 in addition to said call data is included and a compressed
image data is adapted to be delivered to said switching
controller together with said compressed voice data.

8 The internet telephone apparatus according to claim 7,
20 wherein said receiver includes an expander for expanding
said compressed data of said voice and image and said
switching controller includes a controller for detecting
said congestion situation responding to a processing error
of expanding and decoding by said expander.